

Nuclear Power



Capabilities:

Mesa Associates Inc. has been providing detailed design engineering to a variety of industrial and government clients since 1998.

We utilize our multidiscipline engineering knowledge to provide solutions that not only meet our customer's requirements, but also provide peace of mind for the future.

NUPIC and NQA-1

Mesa Associates, Inc. is in the process of being qualified by & becoming a member of the Nuclear Procurement Issues Committee (NUPIC). Mesa's QA Program adheres to NQA-1 standards that provide requirements for the implementation of quality assurance programs during siting, design, construction, operation & decommissioning of nuclear facilities.

Design Services:

RadWaste:

- Container Design and Certification
- Waste Processing
 - Solidification
 - Dewatering
 - Handling

Civil/Structural:

- Siting
- Duct Design/Analysis
- Foundations: Cooling Towers, Fans
- Seismic Qualification of Components

Mechanical:

- Piping Systems
 - B31.1 – Steam, Compress Air
 - B31.9 – Cooling Water
- HVAC Systems:
 - Control Room Upgrades
 - Plant Cooling/Ventilation
- NFPA 101 Life Safety Upgrades

Electrical:

- Switchgear/MCC/Breaker Replacement
- Transformer Replacement
- Protective Relaying
- UPS Design
- Studies/Analysis
 - Load Flow
 - Short Circuit
 - Arc Flash Hazard Analysis
- Equipment Evaluation

Instrumentation & Controls:

- Control Systems Upgrades
 - Generator/Exciter
 - Synchronization

